

ABSTRACT

An apparatus and method for measuring a directional attitude of a driven load in respect to a level plane is employed to adjust initial driving power requirements in order to overcome the effects of such attitude. The apparatus employs a sensor for measuring the attitude, a processor for comparing the measurement against a threshold and a driver for altering the initial driving power requirements. Additional sensors for measuring shock, vibration, and temperature levels that the load is subjected to prior to the movement may be employed for calibration of the directional attitude measuring sensor or for further adjustment of the initial driving power requirements.